

**Abstract of the Disclosure**

A packet switching system arbitrates between Virtual Output Queues (VoQ) in plural input buffers, so as to grant the right of transmitting data to a crossbar switch to some of the VoQs by taking both an output data interval of a VoQ and the queue length of a VoQ as parameters. The system suppresses the delay time of the segment of a VoQ having a high load, thereby preventing buffers from overflowing; and, also, the system permits a VoQ having a low load to transmit segments under no influence of the VoQ that has a high load and is just reading out the segment.